

Amendment to the claims:

1. (currently amended) A method for detecting the motion of an element relative to a sensor apparatus, having

- a detection of the direction of the motion, wherein ~~characterized in that~~ as a function of the direction of motion, it is determined whether a vibration or a true rotational movement has occurred, wherein the vibration is recognized with alternating rotational direction and the true rotational movement is recognized with reference to multiple measurement impulses in a specific direction of rotation, wherein upon recognition of the true rotational movement, a direction-of-motion signal is generated and upon recognition of the vibration, output of the direction-of-motion signal is suppressed a measurement signal is increased or decreased at predetermined measurement intervals; and that ~~not until a predetermined threshold value is exceeded is a direction-of-motion signal generated.~~

2. (currently amended) The method of claim 1, ~~characterized in that~~ wherein ~~[-]~~ by means of a counting logic circuit (6), a counter is increased by a binary amount in one direction (2), and in the other direction (3) the counter (6) is decreased by a binary amount; and ~~that~~ wherein ~~[-]~~ upon a detection of measurement signals which as a result of being increased or decreased in the measurement interval do not lead to exceeding of the predetermined amount of the threshold value, vibration of the element is detected.

3. (currently amended) The method of claim 1, ~~characterized in that~~ wherein ~~[[-]]~~ upon a detection of the measurement signals, for detecting the motion of the element, a variable hysteresis is additionally provided.

4. (currently amended) The method of claim 1, ~~characterized in that~~ wherein ~~[[-]]~~ for detecting the motion of a rotatable element, the direction of rotation is detected.

5. (currently amended) A sensor apparatus for performing a method of claim 1, ~~characterized in that~~ wherein ~~[[-]]~~ the sensor apparatus has contactless sensors, with which binary counting pulses (± 1) can be generated at predetermined motion intervals; and wherein ~~that~~ an evaluation circuit includes a counting logic component (6), with which the counting pulses (± 1) are countable, and if the predetermined amount is exceeded, a direction signal (7) can be generated, and otherwise, vibration of the element is detectable.

6. (currently amended) The sensor apparatus of claim 5, ~~characterized in that~~ wherein ~~[[-]]~~ the sensors include Hall elements.

7. (currently amended) The sensor apparatus of claim 5, ~~characterized in that~~ wherein ~~[[-]]~~ the sensor apparatus is used as a rpm sensor in a motor vehicle.